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TRANSMITTAL  
FORM

(to be used for all correspondence after initial filing)

	Application Number	10/665,005	
	Filing Date	09/19/2003	
	First Named Inventor	Kamil Paruch	
	Art Unit		
	Examiner Name		
Total Number of Pages in This Submission	6	Attorney Docket Number	OC01625K

## ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below): Cert. Of Mailing - 1pg.; References (9); PTO-1449 Form-1pg. in dup.; Post Card
Remarks		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Palaiyur S. Kalyanaraman, Reg. No. 34,634
Signature	
Date	12/11/2003

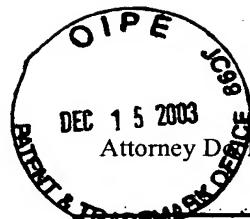
## CERTIFICATE OF TRANSMISSION/MAILING

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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Attorney Docket No.: OC01625K

PTO/SB/92 (08-03)

(Modified)

Application No.: 10/665,005

Filing Date: 09/19/2003

Applicant: Kamil Paruch et al.

Title: NOVEL IMIDAZOPYRAZINES AS CYCLIN DEPENDENT KINASE INHIBITORS

### **Certificate of Mailing under 37 CFR 1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

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P.O. Box 1450  
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Palaiyur S. Kalyanaraman, Reg. No. 34,634

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Documents enclosed:

Response Transmittal (PTO/SB/21) - 1pg.

Information Disclosure Statement - 2pgs.

PTO-1449 Form - 1pg. in duplicate

References (9)

Certificate of Mailing - 1pg.

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This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**X**

Applicant(s): **Kamil Paruch et al.** : Group Art Unit:  
Serial No.: **10/666,005** : Examiner:  
Filed: **09/19/2003** : Attorney Docket No. : **OC01625K**  
For: **"Novel Imidazopyrazines as  
Cyclin Dependent Kinase  
Inhibitors"** :  
**X**

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to Rule 56, it is requested that the documents listed on the accompanying PTO-1449 Form be considered and made of record in the above-identified patent application. Copy(ies) of these references  are attached  were filed in related application U.S. Serial No(s) \_\_\_\_\_ filed \_\_\_\_\_, respectively.

(b)  No fee is believed due because:

- This Information Disclosure Statement is being filed within three (3) months of the filing date of the application.
- This Information Disclosure Statement is being concurrently filed with the above-identified application.
- This Information Disclosure Statement is being concurrently filed with a Request for Continued Examination (RCE).
- This Information Disclosure Statement is being filed prior to the mailing of a first Office Action on the merits.

(c)  This Information Disclosure Statement is being filed before the mailing date of any final action, notice of allowance or an action that otherwise closes prosecution; and

- Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; or

The Commissioner is hereby authorized to charge the requisite fee listed on the attached Fee Transmittal Sheet.

(d)  This Information Disclosure Statement is being filed on or before the payment of the issue fee; and

Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or

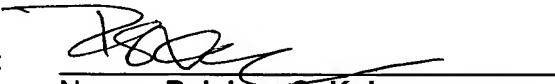
No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; and

The Commissioner is hereby authorized to charge the requisite fee listed on the attached Fee Transmittal Sheet.

The Commissioner is hereby authorized to charge any additional fees which may be required for this Information Disclosure Statement, or credit any overpayment to Deposit Account No. 19-0395, Patent Case No. OC01625K. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Respectfully submitted,  
SCHERING-PLOUGH CORPORATION

Dated: 12/11/2003  
SCHERING-PLOUGH CORPORATION  
Patent Department, K-6-1, 1990  
2000 Galloping Hill Road  
Kenilworth, NJ 07033-0530  
Facsimile No.: (908) 298-5388

By:   
Name: **Palaiyur S. Kalyanaraman**  
Reg. No.: 34,634  
**Attorney of Record**  
Telephone No.: (908) 298-5068



Sheet 1 of 1

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.: <b>OC01625K</b>	APPLICATION NO.: <b>10/665,005</b>		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		(Use several sheets if necessary)		APPLICANT: <b>Kamil Paruch et al.</b>			
				FILING DATE: <b>09/19/2003</b>	GROUP:		
<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE	
AA							
AB							
AC							
AD							
AE							
AF							
AG							
AH							
AI							
AJ							
AK							
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
<input checked="" type="checkbox"/>	AL EP 0 778 277	06/11/1997	EPO			YES	NO
<input checked="" type="checkbox"/>	AM WO 02/06286	01/24/2002	PCT				
<input checked="" type="checkbox"/>	AN WO 88/04298	06/16/1988	PCT				
	AO						
	AP						
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
<input checked="" type="checkbox"/>	AQ Vesely et al., "Inhibition of Cyclin-Dependent Kinases by Purine Analogues", <i>Eur. J. Biochem</i> (1994), <b>224</b> : 771-786.						
<input checked="" type="checkbox"/>	AR Senderowicz et al., "Phase I Trial of Continuous Infusion Flavopiridol, a Novel Cyclin-Dependent Kinase Inhibitor, in Patients With Refractory Neoplasms", <i>Journal of Clinical Oncology</i> (September 1998), <b>16</b> (9): 2986-2999.						
<input checked="" type="checkbox"/>	AS Meijer et al., "Biochemical and Cellular Effects of Roscovitine, a Potent and Selective Inhibitor of the Cyclin-Dependent Kinases CDC2, CDK2 and CDK5", <i>Eur. J. Biochem.</i> (1997), <b>243</b> : 527-536.						
<input checked="" type="checkbox"/>	AT Bible et al., "Cytotoxic Synergy between Flavopiridol (NSC 649890, L86-8275) and Various Antineoplastic Agents: The Importance of Sequence of Administration", <i>Cancer Research</i> (August 15, 1997), <b>57</b> : 3375-3380.						
<input checked="" type="checkbox"/>	AU Shiota et al., "Synthesis and Structure- Activity Relationship of a New Series of Potent Angiotensin II Receptor Antagonists: Pyrazolo[1,5- $\alpha$ ]pyrimidine Derivatives", <i>Chem. Pharm. Bull.</i> (1999), <b>47</b> (7): 928-938.						
<input checked="" type="checkbox"/>	AV Yasuo Makisumi, "Studies on the Azaindolizine Compounds. XI. Synthesis of 6,7-Disubstituted Pyrazolo[1,5- $\alpha$ ]pyrimidines.", <i>Chem. Pharm. Bull.</i> (1962), <b>10</b> : 620-626.						
EXAMINER				DATE CONSIDERED			
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							